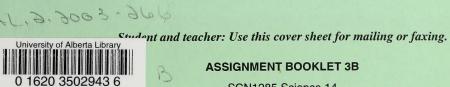
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Wodale 5.	Section 5 Assignment and Section 4 Ass	
FOR STUDE	FOR OFFICE USE ONLY	
Date Assignment Submitted:	(If label is missing or incorrect) Student File Number:	Assigned Teacher:
Time`Spent on Assignment:	Module Number:	Assignment Grading:
Student's Questions and Comments Apply Module Label Here	Address Address Postal Code Postal Code Correct course and module.	Date Assignment Received:

Teacher's Commen	is	

INSTRUCTIONS FOR SUBMITTING THIS DISTANCE LEARNING ASSIGNMENT BOOKLET

When you are registered for distance learning courses, you are expected to regularly submit completed assignments for correction. Try to submit each section of assignments as soon as you complete it. Do not submit more than one Assignment Booklet in one subject at the same time. Before submitting your section assignments or your Assignment Booklet, please check the following:

- Are all the assignments completed? If not, explain why.
- Has your work been reread to ensure accuracy in spelling and details?
- Is the booklet cover filled out and the correct module label attached?

MAILING

1. Postage Regulations

Do not enclose letters with your assignments or Assignment Booklets.

Send all letters in a separate envelope.

2. Postage Rates

Put your assignments or Assignment Booklet in an envelope and take it to the post office and have it weighed. Attach sufficient postage and seal the envelope. Assignment Booklets will travel faster if sufficient postage is used and if they are in large envelopes that do not exceed two centimetres in thickness.

FAXING

- 1. Assignment Booklets may be faxed to the school with which you are registered. Contact your teacher for the appropriate fax number.
- 2. All faxing costs are the responsibility of the sender.

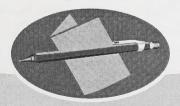
E-MAILING

It may be possible to e-mail your completed assignments to the school with which you are registered. Contact your teacher for the appropriate e-mail address.

Science 14

Module 3

From Life to Lifestyle
Assignment Booklet 3B







FOR TEACHER'S USE ONLY

Summary

	Total Possible Marks	Your Mark
Section 3 Assignment	35	
Section 4 Assignment	45	
	80	

Teacher's Comments

Science 14 Module 3: From Life to Lifestyle Assignment Booklet 3B Section 3 Assignment and Section 4 Assignment Learning Technologies Branch ISBN 0-7741-2517-9

The Learning Technologies Branch acknowledges with appreciation the Alberta Distance Learning Centre and Pembina Hills Regional Division No. 7 for their review of this Assignment Booklet.

Students	1
Teachers	1
Administrators	
Home Instructors	
General Public	



You may find the following Internet sites useful:

- · Alberta Learning, http://www.learning.gov.ab.ca
- · Learning Technologies Branch, http://www.learning.gov.ab.ca/ltb
- Learning Resources Centre, http://www.lrc.learning.gov.ab.ca

The use of the Internet is optional. Exploring the electronic information superhighway can be educational and entertaining. However, be aware that these computer networks are not censored. Students may unintentionally or purposely find articles on the Internet that may be offensive or inappropriate. As well, the sources of information are not always cited and the content may not be accurate. Therefore, students may wish to confirm facts with a second source.

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ASSIGNMENT BOOKLET 3B SCIENCE 14: MODULE 3 SECTION 3 ASSIGNMENT AND SECTION 4 ASSIGNMENT

Your mark for this module will be determined in part by how well you do your assignments.

This Assignment Booklet is worth 80 marks out of the total 175 marks for the assignments in Module 1. The value of each assignment and each question is stated in the left margin.

Work slowly and carefully. If you have difficulty, go back and review the appropriate topic.

Be sure to proofread your answers carefully.

Section 3 Assignment: Food for Life Read all parts of your assignment carefully and record your answers in the appropriate places. 1. Complete the following statements regarding testing for nutrients. a. The brown paper test is a test for _____ 1 1 1 b. Biuret solution turns _____ when a protein is present. c. Iodine turns blue-black when ______ is present. d. Benidict's solution is used to test for _____ 2. Write the name of the food source from the following list beside the appropriate nutrient. orange juice butter • pasta · dried peas b. protein: ___ c. vitamin C: d. carbohydrate:



Return to page 51 of the Student Module Booklet and begin Lesson 2.

1	3.	The categories of information that food labels provide are advertising, preparation directions,
		and
	4.	Analyze the label from a can of peas. List the nutrients, serving size, and daily value of this can of peas.
		NUTRITION INFORMATION INFORMATION NUTRITIONNELLE PER 125 mL (1/2 CUP) SERVING 3 SERVINGS PER CAN PAR PORTION DE 125mL (1/2 TASSE) 3 PORTIONS PAR BOITE ENERGY/ÉNERGIE
2		Nutrients:
1		Serving size:
1		Daily value:
1	5.	Is this food item healthy in terms of fat content? Why?

2	6. Why is it important that manufacturers put the nutritional values on foods?
2	7. State one health benefit and one drawback of a vegetarian diet.
	Return to page 56 of the Student Module Booklet and begin Lesson 3. Read question 8 carefully. Decide which of the choices BEST answers the question. Place your
1	answer in the blank space given. 8. Proteins are first broken down by enzymes in which part of the digestive system? A. mouth B. esophagus C. stomach D. liver 9. Fill in the blanks using the terms in the following list. A term may be used more than once.
	Some terms may not need to be used. • large intestine • fats • stomach • pancreas • liver • gall bladder • mouth • small intestine • esophagus
2	a. The two parts of your digestive system that are involved in mechanical digestion are the and the
1	b. Water, minerals, and vitamins are absorbed into the bloodstream in the

2	c. Enzymes secreted by the	neutralize the gastric juices in the
1	d. Bile is a fluid secreted by the liver to break of	lown
	Return to page 59 of the Student Mo	dule Booklet and begin Lesson 4.
	For questions 10 to 12, read each question carefully. completes the statement or answers the question. Pla	
1)	10. Fatigue and lack of energy can be can	used by eating too much
	A. fat	
	B. sugar	
	C. protein	
	D. carbohydrate	
1	11. Low blood sugar levels can be caused	d by
	A. over eating	
	B. skipping meals	
	C. not drinking water	
	D. eating too many carbohydrates	
1	12. Which of the following are two foods	s that contain a lot of carbohydrates?
	A. bread and nuts	
	B. meat and rice	
	C. pasta and fish	
	D. cereal and rice	
	13. State whether each statement is true (T) or false given.	e (F). Write your answer in the blank space
1	a. Whole grains are an excellent sou	arce of carbohydrates.
1	b. You should not eat any fats.	
1	c. A vegetarian diet has no health be	enefits.
① ① ① ① ①	d. You lose water from your body e	very day.
1	e. Carbohydrates are not fattening.	
1	f. You cannot obtain water from sou	ups and juices.

1	14. Why are eggs and milk products considered to be meat alternatives?
	Return to page 62 of the Student Module Booklet and begin the Section 3 Review.
(15)	Section 4 Assignment: Maintaining Homeostasis
43)	Read all parts of your assignment carefully and record your answers in the appropriate places.
	For questions 1 to 3, read the question carefully. Decide which of the choices BEST answers the question. Place your answer in the blank space given.
(1)	1. Which term refers to maintaining an internal balance?
	A. homeostasisB. insulinC. glucoseD. stress
1	2. Which hormone regulates the amount of glucose in the blood?
	A. glucose B. adrenelin
	C. bile
	D. insulin
1	3. How does temperature affect the heart rate of daphnia?
	A. The heart rate increases with lower temperature.
	B. The heart rate decreases with higher temperature.C. The heart rate increases with higher temperature.
	D. The heart rate remains the same with changes in temperature.
2	4. Describe how insulin helps the body maintain its internal balance.
2	5. How does the body change waste product levels to maintain an internal balance?

3	6. What effect does a hot day have on your heart rate? How does this help your body maintain its internal balance?
	Return to page 68 of the Student Module Booklet and begin Lesson 2.
	For questions 7 to 10, read each question carefully. Decide which of the choices BEST complet the statement or answers the question. Place your answer in the blank space given.
(1)	7. Which lifestyle change will lower high blood pressure?
	A. decreasing exercise
	B. eating more salty food
	C. losing weight
	D. smoking
1	8. Which is an effect of not enough exercise?
	A. becoming overweight
	B. constricting blood vessels
	C. increasing joint disorders, such as arthritis
	D. increasing heart rate
1	9. The term <i>homeostasis</i> refers to
	A. a lack of exercise
	B. the flow of blood to the organs and tissues
	C. the internal balance maintained in the body
	D. a decrease in the amount of oxygen available to the heart
1	10. Foods high in cholesterol and fats will
	A. clog your arteries
	B. increase your blood pressure over time
	C. make it harder for your heart to pump blood through the circulatory system
	D. all of the above

	11. State whether each statement is true (T) or false (F). Place your answer in the blank space given.
1	a. Foods, like hamburgers and French fries cause fatty deposits that can clog the arteries.
1	 b. Arteries narrowed by fatty deposits make it harder for the heart to pump blood through the circulatory system.
1	c. Eating fatty foods will eventually cause high blood pressure.
	Return to page 75 of the Student Module Booklet and begin Lesson 3.
	12. State whether each statement is true (T) or false (F). Place your answer in the blank space given.
1	a. People who suffer from anorexia nervosa eat too little.
	b. People who suffer from anorexia nervosa never exercise.
(1)	c. People with bulimia eat too little.
1 1	d. Vomiting too often can damage the esophagus and teeth.
	e. Anorexia nervosa is called the "binge and purge" disease.
1	f. People who suffer from anorexia think they are overweight.
2	13. How does a healthy person's body respond to sugar entering the blood?
3	14. How does a diabetic's body respond to sugar entering the blood?

3	15.	Name thr	ree things people	can do to lo	wer their risk	of having a h	eart attack.	Age and the second
1	16.	A high le	evel of		in your uri	ne could show	that you h	ave diabetes.
	17.		your body filtered the bloodstream.	d 340 g of c	hloride ions o	ut of the bloo	dstream and	d then returned
1		a. How	much of the chlo	oride ions w	ould there be	in the urine?		
2		b. Deter	rmine the percent	of chloride	ions returned	to the bloods	tream.	
			Return to page	79 of the Stu	udent Module	Booklet and	begin Lesso	on 4.
			18 and 19, read e testion. Place you				of the choice	es BEST
1		18.	A. endoscope B. insulin pum C. insulin mon D. insulin level	p itor	ed to deliver i	nsulin to the b	oody at regu	ılar intervals?
1		19.	Which instrume A. endoscope B. pacemaker C. colonoscopy D. angiogram		o view the low	er digestive ti	ract?	

20. Match a term from the following list with each statement. Place your answer in the blank

	space given.
	i. kidney dialysis iv. colonoscopy vii. endoscope ii. angiogram v. heart transplant viii. Jarvik-7 iii. pacemaker vi. angioplasty ix. cardiac arrest
1	a. an electrical device that stimulates the heart to give it a steady heartbeat
1	b. a procedure used to clear a blocked artery
1	c. a procedure that first took place in 1967
1	d. an X ray that will show irregularities in blood flow
1	e. a procedure that allows blood to flow into a machine that removes the waste products and then back into the body
1	f. a device that replaces the human heart
1	g. a procedure used to check for abnormalities, cancer, inflammation, or bleeding in the large intestine or rectum
1 2	1. When is a pacemaker required?



Submit your completed Assignment Booklet 3B to your teacher for assessment. Then return to page 81 of the Student Module Booklet and begin the Section 4 Review.